

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

Applicant(s): Kiyohisa TAKAHASHI et al.

Docket No.

2003JP306

Serial No.

10/565,113

Filing Date

January 17, 2006

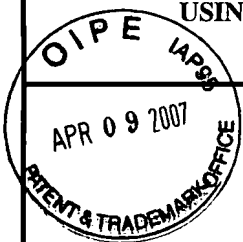
Examiner

ASHTON, Rosemary E.

Group Art Unit

1752

Invention: MATERIAL FOR FORMING PATTERN AND METHOD FOR FORMING FINE PATTERN  
USING THE SAME

I hereby certify that this Transmittal of IDS (2 original pages and 2 copy pages) - 4 Pages

(Identify type of correspondence)


is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on April 4, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)

  
(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
**2003JP306**

In Re Application Of: **Kiyohisa TAKAHASHI et al.**

Serial No.  
**5,113**

Filing Date  
**January 17, 2006**

Examiner  
**ASHTON, Rosemary E.**

Group Art Unit  
**1752**

Title: **MATERIAL FOR FORMING PATTERN AND METHOD FOR FORMING FINE PATTERN USING THE SAME**

Address to:  
**Assistant Commissioner for Patents**  
**Washington, D.C. 20231**

**37 CFR 1.97(b)**

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

**37 CFR 1.97(c)**

2. ☒ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
  2. a Notice of Allowance under 37 CFR 1.311,
- whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

**OR**

- ☒ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
2003JP306

In Re Application Of: **Kiyohisa TAKAHASHI et al.**

Serial No.  
**10/565,113**

Filing Date  
**January 17, 2006**

Examiner  
**ASHTON, Rosemary E.**

Group Art Unit  
1752

Title: MATERIAL FOR FORMING PATTERN AND METHOD FOR FORMING FINE PATTERN USING



### Payment of Fee

**(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))**

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. **50-3309** as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of **\$180.00**
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

### Certificate of Transmission by Facsimile\*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. \_\_\_\_\_) on \_\_\_\_\_ (Date)

**Signature**

***Typed or Printed Name of Person Signing Certificate***

**Certificate of Mailing by First Class Mail**

I certify that this document and fee is being deposited on \_\_\_\_\_ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

**Signature of Person Mailing Correspondence**

**MARIA T. SANCHEZ**

***Typed or Printed Name of Person Mailing Correspondence***

**\*This certificate may only be used if paying by deposit account.**

*Signature*

**Dated: April 4, 2007**

**SANGYA JAIN**  
**(Reg. No. 38,504)**  
**AZ ELECTRONIC MATERIALS USA CORP.**  
**70 MEISTER AVENUE**  
**SOMERVILLE, NJ 08876**

**Customer No. 26,289**

**CC:**

PATENT APPLICATION



**CERTIFICATE OF MAILING/FACSIMILE TRANSMISSION (37 CFR 1.8)**

I hereby certify that this paper (along with any paper referred to as being transmitted therewith) is ( XXX ) being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box. 1450, Alexandria, Virginia 22313-1450 or ( ) being transmitted by facsimile to the U.S. Patent and Trademark Office. (Fax No. 571 273-8300) (    pages). This facsimile is being sent from (908) 429-3650.

Maria T. Sanchez

(Print Name)

Date: April 4, 2007

Maria T. Sanchez  
(Signature)

Docket No. 2003JP306

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application

Kiyohisa TAKAHASHI et al.

Serial No.: 10/565,113

Art Unit: 1752

Filed: January 17, 2006

Examiner: ASHTON, Rosemary E.

For: MATERIAL FOR FORMING PATTERN AND METHOD FOR  
FORMING FINE PATTERN USING THE SAME

**INFORMATION DISCLOSURE STATEMENT AFTER THE FIRST OFFICE ACTION ON  
THE MERITS, BUT BEFORE A FINAL OFFICE ACTION OR A NOTICE OF  
ALLOWANCE (37 CFR 1.97 (c))**

April 4, 2007

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

04/09/2007 MWOLDGE1 00000091 503309 10565113  
01 FC:1006 100.00 DA

Dear Sir:

In accordance with the duty of disclosure provisions of 37 CFR §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

1a. ☒ Form PTO-1449.

**EP 1 223 470 A1**  
**EP 1 757 989 A1**

1b. ☒ Copies of Information Disclosure Statement citations with the exception that copies of US Patents and US Patent Application Publications are not enclosed as the present application was filed after June 30, 2003 and the Patent Office has waived the requirement to enclose such documents under 37 C.F.R. § 1.98(a)(2)(i) pursuant to the Official Gazette announcement dated 05 August 2003. (If box not checked, see item 8a. below).

1c. ☐ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report - attached as annex to PCT/ISA/206 (If box checked, see item 8a. below).

1d. ☐ English language abstract (complete or relevant portion(s)) or English language equivalent attached to each non-English language publication (see item 9c or 9e).

1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(d), hereto) for providing a concise explanation of each non-English publication.

2. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(b) before the latter of three months after the U.S. patent application filing date or the first Office Action on the merits. Accordingly, no fee or §1.97(e) Statement is required.

3. ☒ This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the first Office Action on the merits, but before a Final Office Action or a Notice of Allowance.

- 3a. ☐ The §1.97(e) Statement in Item 5 below is applicable. Accordingly, no fee is required.
- 3b. ☒ The \$180.00 fee set forth in 37 CFR §1.17(p) in accordance with 37 CFR §1.97(c) is to be charged to Deposit Account No. 50-3309.
4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(d) after the Final Office Action or the Notice of Allowance, but before payment of the Issue Fee.
- ☐ The §1.97(e) Statement (Item 5 below) is applicable.  
A Petition to the Commissioner is hereby made under 37 CFR §1.97(d) to request consideration of this Information Disclosure Statement. The \$\_\_\_\_\_ fee set forth in 37 CFR §1.17(i) is to be charged to Deposit Account No. 50-3309.
5. ☐ Statement Under §1.97(e) (*applicable if Item 3a or Item 4 is checked*)
- 5a. ☐ In accordance with 37 CFR §1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. ☐ In accordance with 37 CFR §1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
6. ☐ This is a continuation/divisional/continuation-in-part application under 37 CFR §1.53(b). (*Check appropriate Items 6a and/or 6b and/or 6c*).
- 6a. ☐ Copies of the publications listed on Form PTO-1449 from prior Application Serial No., filed on, of which this application claims priority under 35 USC §120 have been omitted pursuant to 37 CFR §1.98(d) except those listed in 6b. below.
- 6b. ☐ Copies of the following publications listed on Form PTO-1449 which were not previously cited in prior Application Serial No.\_\_\_\_\_, filed on \_\_\_\_\_, of which this application claims priority under 35 USC §120, are provided herewith:
- 6c. ☐ Copies of the publications listed in Item 1c. above are listed on Form PTO-1449 but are not included as they were .

Serial No.: 10/808,884

Filed: March 25, 2004

7. ☐ This is a continuation/divisional application under 37 CFR §1.53(d). (*Check either Item 7a or 7b.*)
- 7a. ☐ The Issue Fee has not been paid.
- 7b. ☐ A Petition to Withdraw from Issue under 37 CFR §1.313(b)(5) has been granted. A continuation application under 37 CFR §1.53(d) after payment of the Issue Fee is proper in accordance with 37 CFR §1.53(d)(1)(ii).
8. ☐ This is a Supplemental Information Disclosure Statement. (*Check either Item 8a or 8b.*)
- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR §1.97(f) supplements the Information Disclosure Statement filed on.
- 8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR §1.97(i), mailed . (MPEP 609, Form ¶ 6.51, July 1997.)
9. ☐ In accordance with 37 CFR §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:
- (*Check appropriate Items 9a, 9b, 9c and/or 9d*)
- 9a. ☐ satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office. (See U.S. Patent and Trademark Office's authorization in the Federal Register, Vol. 57, No. 12, January 17, 1992, at page 2031 (Reply to Comment 68)).
- 9b. ☐ set forth in the application.
- 9c. ☐ satisfied because an English language equivalent is attached to each non-English language publication as follows:
- 9d. ☐ enclosed as Attachment 1(d), hereto.
- 9e. ☐ attached in abstracts in the English language as follows:
10. ☒ No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§1.97(g) and (h).

Serial No.: 10/808,884

Filed: March 25, 2004

11. ☒ The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR §1.17 for this Information Disclosure Statement and/or Petition to Deposit Account No. 50-3309.

Respectfully submitted,

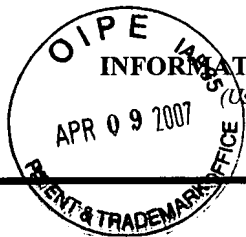


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Docket Number (Optional)

2003JP306

Application Number

10/565,113

Applicant(s)

Kiyohisa TAKAHASHI et al.

Filing Date

January 17, 2006

Group Art Unit

1752

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,555,607 B1	4/29/2003	Kanda et al.			
		2003/0091732 A1	5/15/2003	Kanda			
		2003/0113663 A1	6/19/2003	Kobayashi			
		2006/0088788 A1	4/27/2006	Kudo et al.			
		2006/0211814 A1	9/21/2006	Nishikawa et al.			
		2007/0059644 A1	3/15/2007	Takahashi et al.			
		11/660,199	2/17/2007	Kiyohisa et al.			

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		EP 1 223 470 A1	7/17/2002	EUROPE				
		EP 1 757 989 A1	2/28/2007	EUROPE				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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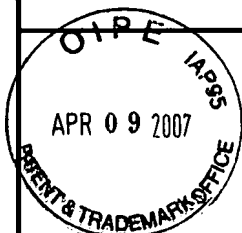
Examiner

ASHTON, Rosemary E.

Group Art Unit

1752

Invention: **MATERIAL FOR FORMING PATTERN AND METHOD FOR FORMING FINE PATTERN  
USING THE SAME**



I hereby certify that this Copy of Specification for US Patent Application Serial No. 11/660,199 - 23 Pages  
(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The  
Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on April 4, 2007  
(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)

  
(Signature of Person Mailing Correspondence)

**Note: Each paper must have its own certificate of mailing.**